

Reading Guide

for DOE Standard 1027-92, *Model Order Study Guide for DOE Order 5480.23, NUCLEAR SAFETY ANALYSIS REPORTS*

Objectives

After studying this standard, you should be able to identify its contents and requirement.

This objective will be tested by your ability to pass a quiz with a score of 16 out of 20 or better.

In addition, you should be able to identify the role of nuclear safety personnel with respect to the standard.

This objective will be tested through discussion with your supervisor.

Time

You will need approximately three hours to read the standard, complete the reading guide, and take the quiz.

Materials

This reading guide and quiz, a copy of the standard, a highlighter, and a pen.

Certification

Contact your training coordinator for a copy of the quiz pertaining to this order. Upon passing the quiz, complete the attached certificate for your file.

Developed by the Oakland Operations Office, Training and Development Branch, in support of Technical Qualification Standard: Nuclear Safety Systems, Competency 2.10.

For additional copies, contact Margaret Smeaton at (510) 637-1840.

Reading Guide

As you read DOE Standard 1027-92, use the guide below to focus your thinking and to prepare for your discussion of this order with your supervisor. Taking the time to write your thoughts down will help you retain the information longer and make it more useful to you on the job. Be sure to write down questions that you have as you go and find a source—perhaps your supervisor—to answer them. You may also wish to highlight sections most pertinent to your job so that you can use the standard as a job aid for future reference.

Overview

In your own words, state the:

- a. Purpose of the standard

- b. Scope of the standard

- c. Relationship of the standard to DOE Order 5480.23

Key Terms

What are the contents and purpose of a Safety Analysis Report (SAR)?

Distinguish between “relative” and “absolute” hazards.

What are the differences between Hazard Categories 1, 2, and 3?

What are the four types of information gathered in a Hazard Analysis?

Distinguish between an Accident Analysis and a Hazard Analysis.

Describe the Graded Approach as it relates to this standard.

Responsibilities

What ramifications does this standard have for nuclear safety personnel?

Make a list of your personal responsibilities as detailed in this standard.

Points of Interest

Note items you wish to discuss with your supervisor or that you want to remember for future reference.

Certificate of Completion

Please complete the certificate below. Provide a copy to your personnel office to include in your file and keep the original for your own reference.

I hereby confirm that I took the quiz for Standard 1027-92, Model Order Study Guide for DOE Order 5480.23, NUCLEAR SAFETY ANALYSIS REPORTS, and

() passed

() did not pass

with a score of 16 out of 20 or higher.

Signed _____ Date _____

Accepted by Supervisor _____ Date _____

I have discussed Standard 1027-92, Model Order Study Guide for DOE Order 5480.23, NUCLEAR SAFETY ANALYSIS REPORTS, with _____ and am confident that he/she has a familiarity-level knowledge of the order.

Supervisor's Signature _____ Date _____